

### DOI Work Activity 38: Plan/Evaluate Programs to Advance Knowledge and Inform Decisions

<b>Program Area:</b>	Knowledge Advancement
<b>End Outcome Goal:</b>	SEO 2 - Advance Knowledge through Scientific Leadership and Inform Decisions through the Applications of Science
<b>Intermediate Outcome Strategy:</b>	SIO 2.1 – Improve Information Base, Information Management and Technical Assistance
<b>DOI Sub process:</b>	2a - Plan

#### Examples/Notes:

**Work Activity Description:** Planning, developing, and reviewing science programs. Includes all costs associated with developing strategic and annual/operating program plans; conducting internal and external reviews of programs; assessing science and information needs and priorities; and coordinating crosscutting regional, national and international science planning efforts. This encompasses all work leading to completion of program plans, reviews and assessments. Some of these activities are done in collaboration with customers, stakeholders, and partners so that we may develop and implement programs that are responsive to society's highest science priority needs and improve the effectiveness and impact of programs. Does not include DOI strategic planning or Bureau strategic planning which are included in DOI work activity **Perform Planning (67)**.

<b>Output:</b> Plans and Evaluation Reports (e.g. program evaluations, performance reports, peer review, 5-year plans, PART, effects statement, capability statements, Customer Satisfaction Surveys)	<b>Unit of Measure:</b> Number of Plans and Evaluation Reports
<b>Inputs:</b> a) FTE, operating expenses, b) Statutory requirements, requests from customers, stakeholders, partners; recommendations from previous program reviews, department or bureau policy; technological and scientific innovations and environmental scans that reveal a need for change.	<b>Cost Drivers:</b> Meeting time, drafting of documents, publication costs, public meetings, customer forums, external reviews

#### System Interfaces:

**DOI Program Area Contact:** Charlene Hall Raphael (USGS)

## DOI Work Activity J8: Collect, Manage and Distribute Data To Advance Knowledge and Inform Decisions

<b>Program Area:</b>	Knowledge Advancement
<b>End Outcome Goal:</b>	SEO 2 - Advance Knowledge through Scientific Leadership and Inform Decisions through the Applications of Science
<b>Intermediate Outcome Strategy:</b>	SIO 2.1 – Improve Information Base, Information Management and Technical Assistance
<b>DOI Sub process:</b>	1a - Collect data (conduct inventories, surveys, monitoring)

### Examples/Notes:

**Work Activity Description:** Activities that involve field or laboratory measurements or observations, the evaluation of particular conditions over a period of time, the integration of basic data to produce specific products, and maintenance/management of data collections/data sets that support the advancement of knowledge through science and inform decisions. Examples of work to be coded to this activity include the following:

- Geophysical sampling
- Lab analysis of sample
- Data integration/processing
- Satellite operations
- Stream gage monitoring
- Maintenance/management of metadata
- Creation/maintenance of data websites and catalogs
- Creation and maintenance of partnerships that foster data collection/management

Code to this activity any data collection/maintenance efforts that do not support specific research or assessment projects. Data collection to support research projects is coded to DOI activity **Conduct Research to Advance Knowledge and Inform Decisions (M5)**. Data collection supporting assessment projects is coded to DOI activity **Conduct Scientific Assessments to Advance Knowledge and Inform Decisions (N9)**. Data collection for technical assistance is coded to DOI activity **Provide Technical Assistance to Inform Decisions (Z5)**. Data management for all projects is coded here.

<b>Output:</b> Cumulative GB assessable (prior years + current)	<b>Unit of Measure:</b> Number of cumulative GB assessable
<b>Inputs:</b>	<b>Cost Drivers:</b>

### System Interfaces:

**DOI Program Area Contact:** Charlene Hall Raphael (USGS)

### DOI Work Activity M5: Conduct Research to Advance Knowledge and Inform Decisions

<b>Program Area:</b>	Knowledge Advancement
<b>End Outcome Goal:</b>	SEO 2 - Advance Knowledge through Scientific Leadership and Inform Decisions through the Applications of Science
<b>Intermediate Outcome Strategy:</b>	SIO 2.1 – Improve Information Base, Information Management and Technical Assistance
<b>DOI Sub process:</b>	1b - Create information from data (perform analysis)

#### Examples/Notes:

**Work Activity Description:** Studies that advance the understanding of scientific principles or processes, or develop new methodologies in the geologic, hydrologic, information science, or other relevant disciplines. Activities may include data collection supporting research or development of a research product, analysis, modeling, synthesis of data, interpretation, management of the research, development of protocols and research methodologies, and development of research products (maps, reports, systems, persistent data sets). Includes needs and requirements gathering-type workshops, but excludes technical transfer/technical assistance-type workshops and training.

<b>Output:</b> Systematic analyses and investigations delivered to customers (journal articles, scientific publications, protocols, decision support systems, models, etc.)	<b>Unit of Measure:</b> Number of systematic analyses and investigations delivered
<b>Inputs:</b>	<b>Cost Drivers:</b>

#### System Interfaces:

**DOI Program Area Contact:** Charlene Hall Raphael (USGS)

### DOI Work Activity N9: Conduct Assessments to Advance Knowledge and Inform Decisions

<b>Program Area:</b>	Knowledge Advancement
<b>End Outcome Goal:</b>	SEO 2 - Advance Knowledge through Scientific Leadership and Inform Decisions through the Applications of Science
<b>Intermediate Outcome Strategy:</b>	SIO 2.1 – Improve Information Base, Information Management and Technical Assistance
<b>DOI Sub process:</b>	1b - Create information from data (perform analysis)

#### Examples/Notes:

**Work Activity Description:** Investigations that evaluate the status, condition, or other relevant aspects of a particular resource or area; may be conducted on a geographic basis. Activities may include data collection, inventory, monitoring, analysis, management, interpretation, evaluation, and synthesis of data.

<b>Output:</b> Scientific Assessments delivered (status & trends, Urban Dynamics)	<b>Unit of Measure:</b> Number of scientific assessments delivered
<b>Inputs:</b>	<b>Cost Drivers:</b>

#### System Interfaces:

**DOI Program Area Contact:** Charlene Hall Raphael (USGS)

### DOI Work Activity Z5: Provide Technical Assistance to Inform Decisions

<b>Program Area:</b>	Knowledge Advancement
<b>End Outcome Goal:</b>	SEO 2 - Advance Knowledge through Scientific Leadership and Inform Decisions through the Applications of Science
<b>Intermediate Outcome Strategy:</b>	SIO 2.1 – Improve Information Base, Information Management and Technical Assistance
<b>DOI Sub process:</b>	3c - Provide technical assistance (includes grants)

**Examples/Notes:** Technical assistance projects such as customized application systems and computer modeling; technical training; and technical transfer activities such as workshops, seminars and individualized assistance offered to aid customers in solving problems as it supports the advancement of knowledge through science.

**Work Activity Description:** Technical assistance, technical training, technology transfer, technical studies, or technical support is provided to land managers and customers to solve a variety of environmental problems. These activities enhance resource management and policy development. Specific activities and technical assistance projects include but are not limited to:

- Design and systematic collection of environmental or geologic/seismographic data,
- Analytical support,
- Data synthesis,
- Adaptive management techniques
- Partnerships (Water Resources Research Institutes, Cooperative Research Unit, et al.)

<b>Output:</b> Technical Assistance provided (instances, issues or events)	<b>Unit of Measure:</b> Number of instances, issues or events of technical assistance provided
<b>Inputs:</b>	<b>Cost Drivers:</b>

**System Interfaces:**

**DOI Program Area Contact:** Charlene Hall Raphael (USGS)